Product Name: Trim5a Mouse Monoclonal Antibody
Catalog #: AMM80513
For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	56.3kDa

Antigen Information

Gene Name	Trim5a
Alternative Names	RNF88; TRIM5alpha
Gene ID	85363.0
SwissProt ID	Q9C035
Immunogen	Purified recombinant fragment of human trim5 alpha expressed in E. Coli.

Background

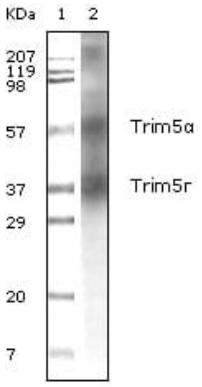
TRIM5-alpha is a protein that is found in the cells of many mammals and fends of various retrovirus infections. It protects monkeys from infection with HIV-1, and humans from infection with some other viruses. If a retrovirus has entered a cell, it needs to shed its capsid in order to reversely transcribe its genes, so that they can be expressed by the host cell. It is believed

that TRIM5 alpha, which is present in the cytoplasm, somehow recognizes the capsid and blocks its shedding, thereby stopping the virus in its tracks. It thus represents an intracellular defense completely separate from the rest of the body's immune system.

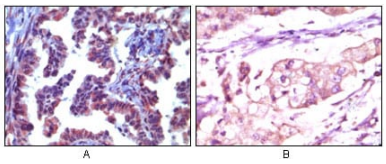
Research Area

Autophagy

Image Data



Western blot analysis using Trim5a mouse mAb against human breast carcinoma tissue lysate.



Immunohistochemical analysis of paraffin-embedded human metastatic adenocarcinoma(A) and stomach adenocarcinoma (B), showing cytoplasmic localization using Trim5a mouse mAb with AEC staining (A) and DAB staining(B).